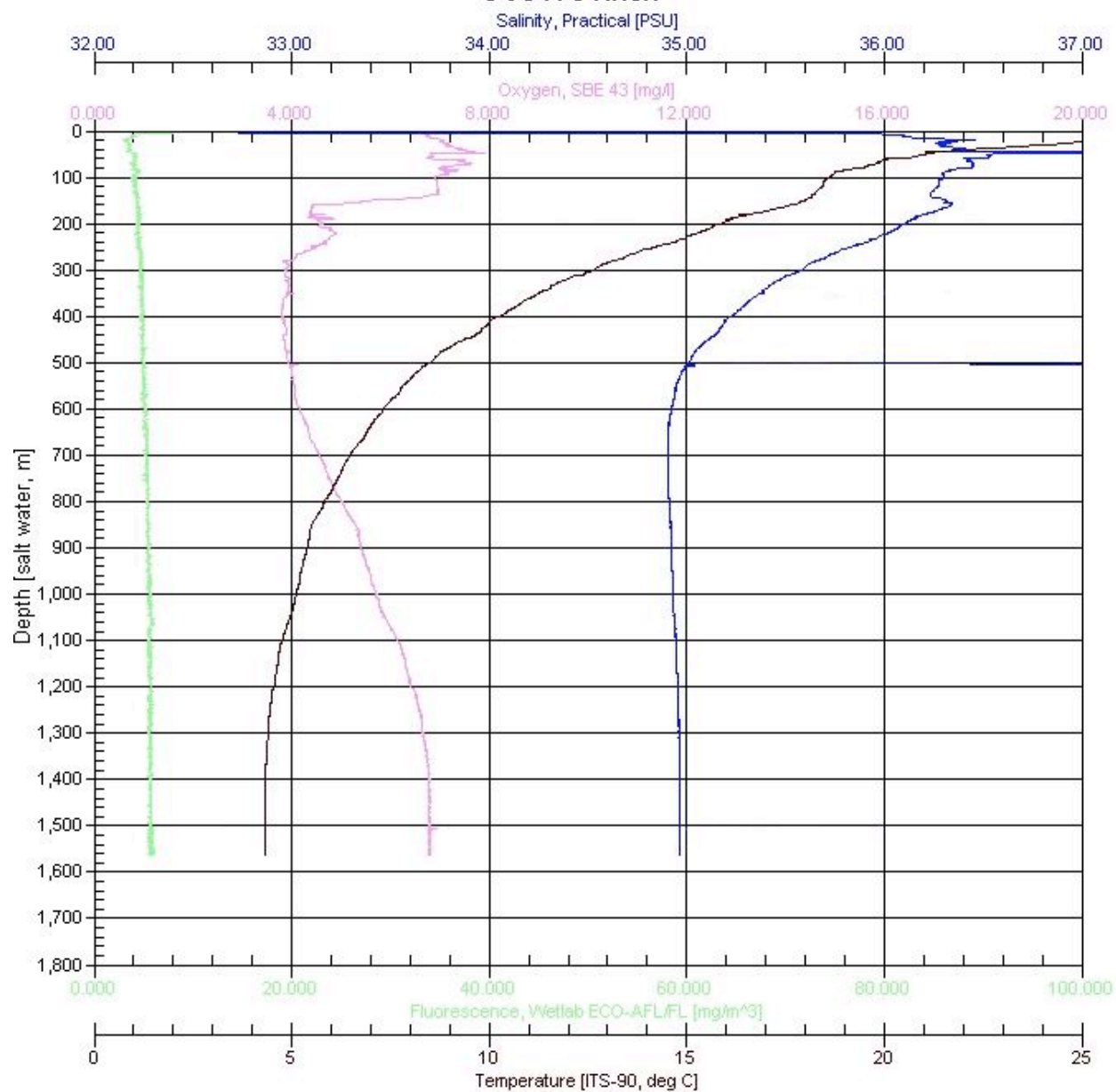


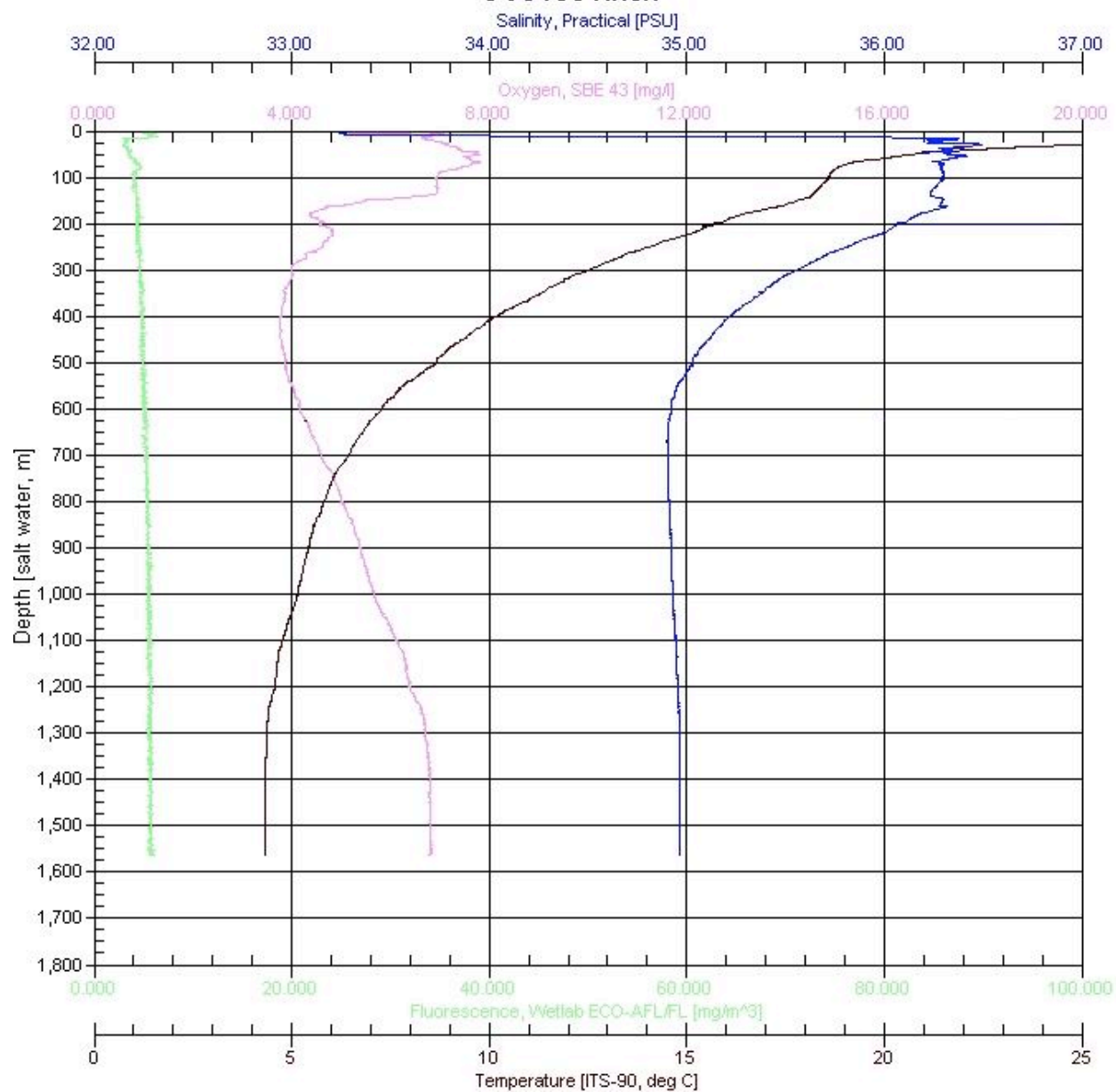
Ocean Veritas
Lauren Tom and Krystle Chavarria

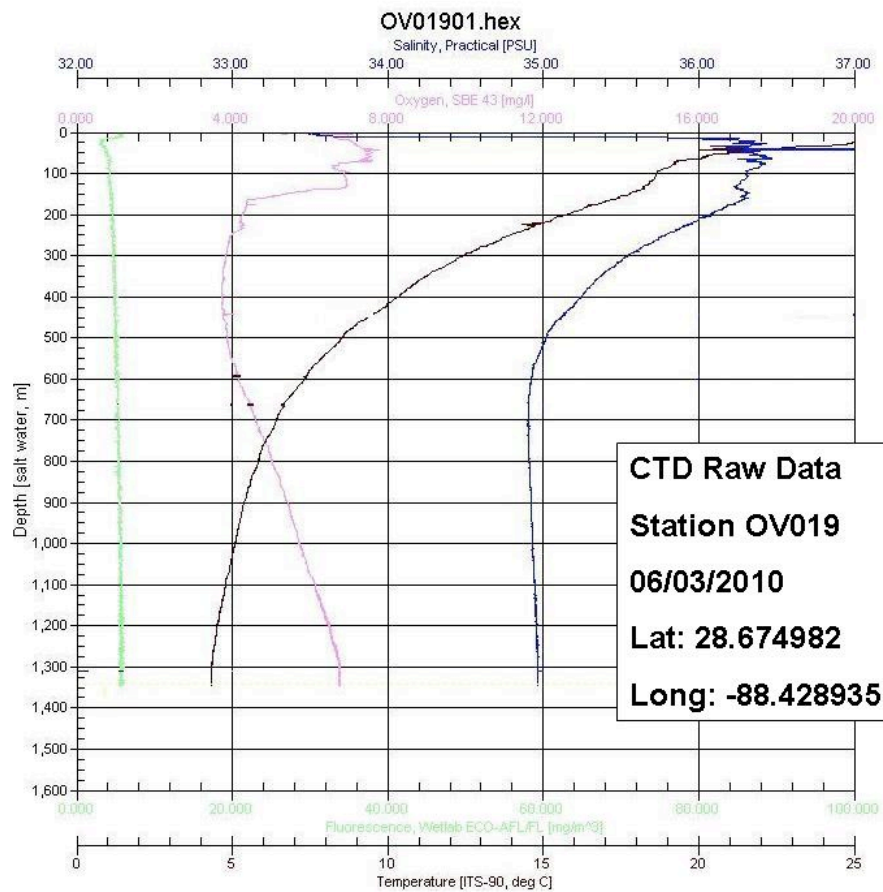
1. Sampling begins (07:00)
2. Switched tasks from yesterday: Krystle=DNA, RNA, Protein, Lauren=INT, AODC, Stable Isotope, VOA Analysis, Nutrient Chemistry, Culturing
3. First site: OV017
 - Sampled the surface only, there was no plume detected
 - Processed surface sample for: INT, AODC, DNA (1L), RNA (1L), Protein (3L), Stable Isotope, VOA Analysis, and Nutrient Chemistry.
4. Second site: OV018
 - Sampled the surface only, there was no plume detected
 - Processed surface sample for: INT, AODC, DNA (2.5L), RNA (2.5L), Protein (3.4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry
5. Based on lower than expected cell counts back at LBNL, decided to increase the volumes filtered for DNA, RNA, and protein. We will now filter the following volumes:
 - For surface samples where no plume is detected: DNA (6L), RNA (6L), protein (6L) or as much as we can
 - For surface samples where a plume is detected: DNA (<6L), RNA (<6L), protein (<6L)→we will filter as much as we can without getting too backlogged
 - For plume samples: DNA (2L), RNA (4L), protein (4L)
6. Delayed from sampling at third site due to weather conditions
7. Third site: OV019 (CTD dropped at 15:30)
 - Sampled the surface only, there was no plume detected
 - Processed surface sample for: INT, AODC, DNA (6.8L), RNA (6.8L), Protein (6.8L), Stable Isotope, VOA Analysis, and Nutrient Chemistry
 - Decided to stop doing INT for surface samples and save the remaining three tubes for if we hit a plume
 - Needed to use multiple filters for each DNA, RNA, and Protein (we are changing filters after every 2L), at this rate we should have enough filters to last us through the end of this cruise, we added MoBio filters to the list of items to order for the next cruise.
8. Fourth site: OV020
 - Sampled the surface only, there was no plume detected
 - Processed surface sample for: AODC, DNA (6.2L), RNA (6.2L), Protein (6.2L), Stable Isotope, VOA Analysis, and Nutrient Chemistry
 - Ommited INT, saving tubes for plume samples

OV01701.hex

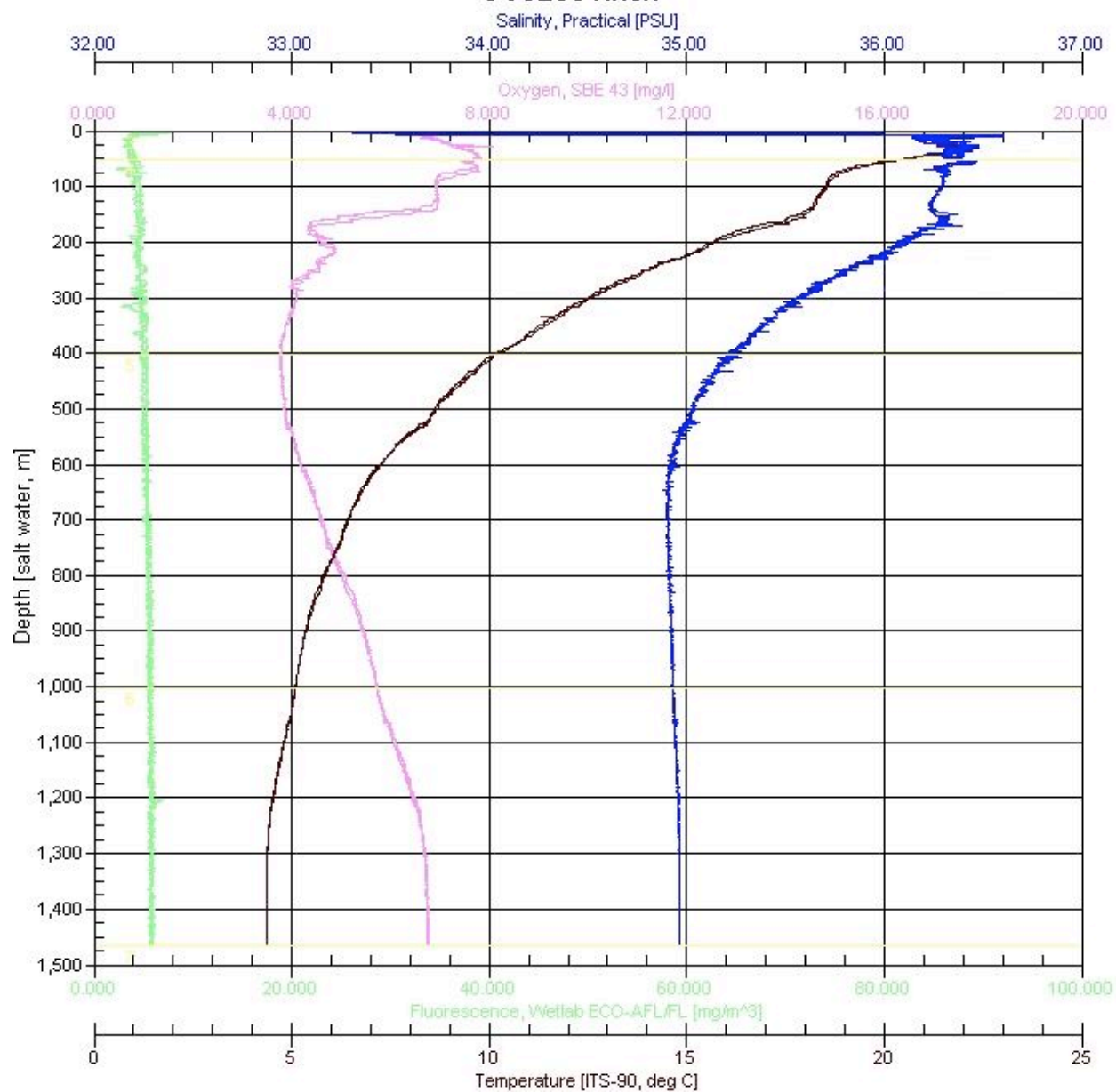


OV01801.hex





OV02001.hex



Green = Sampled Sites
Red = Projected Sites
Yellow = Brooks McCall Sites*
Black = Cruise 1 Sites

Site	Lat	Long
OV013	28.801976	-88.391856
OV014	28.770928	-88.392046
OV015, OV016	28.740080	-88.391591
OV017	28.709114	-88.391622
OV018	28.678081	-88.391623
OV019	28.674982	-88.428935
OV020	28.706450	-88.428935

